

Figure 1

SEQ ID NO: 21 (gi 1709203)	1	MARNGSLEEFLGVAVDAAKRAGEIIRKGEHETKHHVVKQVQLVTTDKACEDLIFNHLK
SEQ ID NO: 22 (gi 1709205)		MAQNGSVEQFLDVAEAKKAGEIIREGEYKTKHVEHKGMVQLVTTDKACEDLIFNHLK
SEQ ID NO: 2		MAE---EQFLAVAVDAAKNAGEIIRKGFYQTKNVEHKGQVQLVTTDKACEDLIFNHLK
SEQ ID NO: 4		MVDNDSLSEFLASAVDAAQKAGEIIRKGFYQTKNVEHKGQVQLVTTDKACEDLIFNHLK
SEQ ID NO: 6		MAE---EQFLAAAVGAAKSAGEIIRKSFYLSKKVEHKGQVQLVTTDKACEDLIFNHLK
SEQ ID NO: 8		MAE---EQFLAAAVGAAKSAGEIIRKSFYLSKKVEHKGQVQLVTTDKACEDLIFNHLK
60		
SEQ ID NO: 21 (gi 1709203)	61	QHFPSHKFIGEETSAAT-GDFDLTDEPTWIVDPVDTNFVHGFPSVCVSIGLTIGKIP
SEQ ID NO: 22 (gi 1709205)		QRFPSPHKFIGEETAA-CGNFELTDEPTWIVDPVDTNFVHGFPSVCVSIGLTIEKKPT
SEQ ID NO: 2		KHYPDHKFIGEETSAGLGATAADLTDDPTWIVDPVDTNFVHGFPSVCVSIGLTVGK---
SEQ ID NO: 4		QLYPTHKFIGEETAA-YGTTELTDEPTWIVDPVDTNFVHGFPSVCVSIGLTIGKTPT
SEQ ID NO: 6		MLYPDHKFIGEETSAALGSTDDLTYDPTWIVDPVDTNFVHGFPSVCVSIGLTIGKIP
SEQ ID NO: 8		MLYPDHKFIGEETSAALGSTDDLTYDPTWIVDPVDTNFVHGFPSVCVSIGLTIGKIP
120		
SEQ ID NO: 21 (gi 1709203)	121	VGVVYDPIIIDELEFTGKAYLINGKPIKVSSQSELVKSILLGTEVGTTRDMLTVETTTRR
SEQ ID NO: 22 (gi 1709205)		VGVVYDPIIIDELEFTGKIDGKGAFLNGKPIKVSSQSELVKALLATEAGTNRDKLUVVDTATTGR
SEQ ID NO: 2		---
SEQ ID NO: 4		IGVVYNPIINELLEFTGKGAFLNGNPINKVSSQTELSSLLATEAGTKR---
SEQ ID NO: 6		---
SEQ ID NO: 8		GVVVYNPIMNELLFTAVRGKGAFLNGSPIKTSQNELVKALMVTEVGTKRDKSTLDDTTNR
180		
SEQ ID NO: 21 (gi 1709203)	181	INNLFFKVRSLRMCGSCALDLCLWVACGRLELFYLIGYGGPWDVAGGAIVKEAGGVLFDP
SEQ ID NO: 22 (gi 1709205)		INSLLFKVRSLRMCGSCALNLGGVACGRLLFYELEFGGPWDVAGGAIVKEAGGFVFDP
SEQ ID NO: 2		---
SEQ ID NO: 4		VLRGGAGIS---
SEQ ID NO: 6		---
SEQ ID NO: 8		INKLFFKIRSMCGSIALNMCGVACGRLLCYEIGFGGPWDVAAGALILKEAGGFVFDP
240		
SEQ ID NO: 21 (gi 1709203)	241	SGSEFDITSQRVAATNPHLKEAFVEA---LQLSEYVS
SEQ ID NO: 22 (gi 1709205)		SGSEFDLTARRVAATNAHLKDAFIKA---LNE---
SEQ ID NO: 2		---
SEQ ID NO: 4		---
SEQ ID NO: 6		SGADFAITSQRVAVSNPFXKDELVETRKKMGWEIYN.
SEQ ID NO: 8		SGDEFDLMAQRMAGSNGLKQDFIKA---LGDAS.--
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Figure 2

<p>1</p> <p>SEQ ID NO: 23 (gi 3915048) M-----TSAQKPVF-----SPSDLQT-----WL---</p> <p>SEQ ID NO: 24 (gi 1652942) ML-----PEVEQRLF-----</p> <p>SEQ ID NO: 10</p> <p>SEQ ID NO: 12</p> <p>SEQ ID NO: 14</p> <p>SEQ ID NO: 16</p> <p>SEQ ID NO: 18</p> <p>SEQ ID NO: 20</p>	<p>60</p> <p>MLSSSSSTHSDDTSPFPGLASANPNPRSRILLRAASPVSSAVLSASGRQP-----MSTV</p> <p>MFSQCH-----FLSHSPIPNTT-FRLRAMAPHST-----</p> <p>HETKPSL-----YHLRSPSLLATFSSSAAGRACCGIAGRWMGSV</p>	<p>120</p> <p>EIAATEAVLAAGAEI-----FSLWGKVQQIQEKGRAG</p> <p>IAQQLAAVSGEILIQYFRRRSHLQGGTKIDQVS</p>	<p>61</p> <p>RASEAAGGAAGRRAAVGE-----LATERLVEVAQRAADAAGEVLRKYFRQ-RVEIIDKEDHSP</p> <p>SEQ ID NO: 14</p> <p>SEQ ID NO: 16</p> <p>SEQ ID NO: 18</p> <p>SEQ ID NO: 20</p>	<p>180</p> <p>PLEINRFAEVGNKVAADAAGEVIRKYFRK-NFDVIIHKHDLSP</p> <p>RAS-PSEAGGWAVALVAVAAQSAADAAGEVLRKYFRQ-RFEIIDKEDHSP</p>	<p>121</p> <p>DLVTEADROAEAAILEIIKRRCPDHAILAEESG-QLGQVNDNPFCWAIDPLDGTNTNFAHSY</p> <p>AIVTQADEEEAQAMVDLQIAQFPQDGVIREEG--KNIAGKSGYTWVLDPIDGTSSSEVRGL</p> <p>HEDKLSESVILEVVTKNFRDHLLGEEGG-LIGDSLSEYLWCIDPLDGTNTNFAHGY</p> <p>SEQ ID NO: 12</p> <p>SEQ ID NO: 14</p> <p>SEQ ID NO: 16</p> <p>SEQ ID NO: 18</p> <p>SEQ ID NO: 20</p>	<p>2/3</p> <p>--VTIADREAEAMVSVILKSFPHTAIFGEENGWRCAENSADFVWVLDPIDGTKSFITGK</p> <p>--HE-----</p> <p>--VTIADQSAEEAMVSIIILDNEPSPHAIYGEENGWRCEEEKNADYVWVLDPIDGTKSFITGK</p> <p>--VTIADREAEAMTSVILKSFPHTAVFGEENGWRCAEKSADYVWVLDPIDGTKSFITGK</p>
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SEQ ID NO: 23 (gi 3915048)
 SEQ ID NO: 24 (gi 1652942)
 SEQ ID NO: 10
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 SEQ ID NO: 16
 SEQ ID NO: 18
 SEQ ID NO: 20

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PVSCVSIGLIIQDIPTVGVVYNPFQELFRAATSLGATLNR-----RPIQVSTTASLDK
 PIFATLIGLVDADMRFVLGIAHQPIISGDRWQGVQEQSNNVNGIP-LVNPYKASEINLTA
 PSFVSIGVLYRGKPAATVVEFCGPMCWSTRTISASSGKGAYCNGQKIHVSPTEKVEQ
 -----MCWTTRTIEPAGGGAYYIGQRIHVSQTDKVEQ
 PLFGTLIALLHNG-KPVIGVIDQPILRERWIGVDGKTTLNGQE-I-SVRSCLN-LAQA
 -----LTKEQ
 PVFGTLVALLQNG-TPILGIIDQPVLRERWIGKRTSLSNGQE-I-STRTCAD-LSQA
 PLFGTLIALLHNG-KPVIMGIDQPILRERWVGVDGKTTLNGQE-I-SVRPCNV-LEQA

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SEQ ID NO: 23 (gi 3915048)
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 SEQ ID NO: 10
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 SEQ ID NO: 20

SLIVTG---FAYDRVKTLDNNYPEFCYLTQGVRRSGSAIDLIDVACGRGLDGWERT
 CIVSTTPLMFTTPVQQQQMADIYRQCQRTAFCGGDCFNLYSAASGWTAMPLVIVEA----D
 SLIVTG---FGYEHDDDAWLTNINLKEFTDVSRGVRLGSAAADMSSHVGGLGITEAYWEYR
 SLIVTG---FGYEHDDAWTTMNLFKEFTDISRGVRR--LGSAAADMSSHIGLGLITEAYWEY
 YLYTTSPLFEADADA-FIRVRNKVVKPLYGDCYAYALLASGEVDI---VVES---G
 SLIVTG---FGYEHDDAWVTNINLKEYTDISRGVRLGSAAADMSSHVALGITEAYWEYR
 YLYTTSPLFNGDAEEA-FIRVRSKVKFQLYGDCYAYALLSSGFVDL---VVES---G
 YLYTTSPLFEQDAEDA-FIRVRDKVKVVKPLYGDCYAYALLASGFVDL---VVES---G

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SEQ ID NO: 23 (gi 3915048)
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 SEQ ID NO: 10
 SEQ ID NO: 12
 SEQ ID NO: 14
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 SEQ ID NO: 20

INPWDMAAGIVIVREAGGIVSAYDCSPLDLSTGRILLATNGKIHQELSQAIAATPQ----
 INFYDFCALIPLTGANYCFTDWQGKEL-----TPESTEVVASPNPKLHSE
 LKPWDMMAAGVLLIVEEAGGVTRMDGGEFTVFDRSVLSNGVVDQLLERIRPATEDLKKK
 YRLKPWDVHAGVLLIVEEAGGVVTRMDGGEFTVFDRSVLSNGVHLHGQV----
 LKPYDFLSSLVPVIEAGGGSITDWRGDKLH----WPVTAESRPTSENVVAAAGDARVHE
 LKPWDMMAAGVLLIVEEAGGMVSRMGGEFTVFDRSVLSNGVVDQLLDRIGPATEDLKKK
 LKPYDFLALIPVIEAGGGVITDWKGDKLF----WEASPLSIATSENVVAAAGDKQIHQQ
 LKPYDFLSSLVPVIEAGGGSITDWEGNKIH----WPVSSSERPTSENVVAAAGDSHVGQ

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SEQ ID NO: 23 (gi 3915048)
 SEQ ID NO: 24 (gi 1652942)
 SEQ ID NO: 10
 SEQ ID NO: 12
 SEQ ID NO: 14
 SEQ ID NO: 16
 SEQ ID NO: 18
 SEQ ID NO: 20

-----WF---QQYAAARAQKI
 ILAFL---Q-----GIDFSLWFKPKDKYPT---DF.
 -----CL
 ALDALRWR.-----
 GIDFSLWFKPKDKYPT---DF.
 ALDSLQWK.-----
 ALAALRWR.-----

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SEQ ID NO: 23 (gi 3915048)
 SEQ ID NO: 24 (gi 1652942)
 SEQ ID NO: 10
 SEQ ID NO: 12
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 SEQ ID NO: 16
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